

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. **(Canceled)**
2. **(Currently Amended)** The method of claim 10 + wherein said treatment is decellularization of said tissue, and wherein said treating solution is water, a hypertonic solution or a hypotonic solution, a detergent solution, an enzyme solution or a liquid medium.
3. **(Canceled)**
4. **(Currently Amended)** The method of claim 10 + wherein said tissue is irradiated with microwaves at a frequency of 2450 MHz for a net period of time from 1 hour to 1 week.
5. **(Currently Amended)** The method of Claim 10 + wherein said native tissue to be treated is soft tissue including vascular vessel, heart valve, heart sac, cornea, amonion and dura.
6. **(Currently Amended)** The method of Claim 10 + wherein said native tissue to be treated is hard tissue including bone, cartilage and teeth.
7. **(Currently Amended)** The method of Claim 10 + wherein said native tissue to be treated is an organ or part thereof including heart, kidney, liver, pancreas, brain and part thereof.
8. **(Original)** The method of claim 2 further comprising the step of washing said tissue with a fresh washing liquid following said irradiation step to remove destructed donor cells.

9. **(Original)** The method of claim 2 wherein said native tissue to be treated has been pre-treated to facilitate the removal of donor cells.

10. **(Currently Amended)** A method of decellularizing ~~de-cellularizing~~ native tissue of mammalian origin comprising immersing said tissue in a treating solution, and irradiating the tissue with microwaves while maintaining the temperature of the tissue in the range between 0°C and 40°C, whereby said tissue is decellularized.

11. **(New)** The method of claim 10 wherein said tissue is immersed in said treating solution received in a microwave-transmitting container which, is, in turn, in heat-exchange contact with a coolant liquid received in a microwave-transmitting vessel, and wherein said tissue is irradiated with microwaves in a microwave oven while circulating said coolant liquid through a cooling apparatus provided externally of the microwave oven.